

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A method of adaptive wireless bridging for ~~an~~ bridging a mobile information handling system to a stationary (WLAN) network, comprising: using programming of the information handling system to: identifying a first plurality of one or more bridging-peer information handling systems that can establish a wireless communication connection with a the network;

selecting a first information handling bridging-peer system from said first plurality of information handling the one or more bridging-peer systems;

wherein the selecting step is performed by giving preference to a wired bridging-peer system, if any;

establishing a first wireless communication connection between with said first information handling the selected bridging-peer system and said information handling system;

using programming of the selected bridging-peer system to establishing a second wireless communication connection between said first information handling selected bridging-peer system and said network; and

using programming of the information handling system to communicate communicating with the network via the first and second wireless communication connections;

wherein if the selected bridging-peer system is to go off line of the first connection, using programming of the selected bridging-peer system to send a message to the information handling system that the selected bridging-peer system will go off line; and

using programming of the information handling system to identify a second bridging-peer system from said first plurality of information handling systems, and to establish a third

communication connection between the information handling system and said second bridging-peer system, and

using programming of the second bridging-peer system to establish a fourth communication connection between said second bridging-peer system and said network;  
using programming of the information handling system to communicate with the network via the third and fourth communication connections.

2. (Currently Amended) The method of claim 1, wherein said ~~first information handling~~ bridging-peer system is selected based on a plurality of communication-related parameters.

3. (Currently Amended) The method of claim 2, wherein said ~~first plurality of information handling~~ one or more bridging-peer systems ~~is~~ are ranked according to said plurality of communication-related parameters.

4. (Original) The method of claim 2, wherein one of said plurality of communication-related parameters is a radio signal quality of said first communication connection.

5. (Original) The method of claim 2, wherein one of said plurality of communication-related parameters is a data throughput rate of the first communication connection.

6. (Currently Amended) The method of claim 1, wherein said second communication connection with said network comprises a plurality of individual communication connections between a ~~second plurality of information handling~~ bridging-peer systems.

7.-9. (Cancelled)

10. **(Currently Amended)** An information handling system comprising:

- a processor;
- a memory system coupled to said processor, wherein said memory stores instructions executable by the processor to perform a method, the method comprising:
  - ~~identifying a first plurality of information handling systems that can establish a communication connection with a network;~~
  - ~~selecting a first information handling system from said plurality of information handling systems;~~
  - ~~establishing a first wireless communication connection with said first information handling system;~~
  - ~~communicating with the network via the first information handling system and the first wireless connection~~
  - identifying one or more bridging-peer systems that can establish a communication connection with the network;
  - selecting a bridging-peer system from the one or more bridging-peer systems;
  - wherein the selecting step is performed by giving preference to a wired bridging-peer system, if any;
  - establishing a first communication connection between the selected bridging-peer system and said information handling system;
  - communicating with the network via the first communication connection and a second communication connection between the selected bridging-peer system and the network;
  - wherein if the selected bridging-peer system is to go off line of the first connection, receiving a message from the selected bridging-peer system informing the information handling system that the selected bridging-peer system will go off line;
  - identifying a second bridging-peer system from said one or more bridging-peer systems, and establishing a third communication connection between the information handling system and said second bridging-peer system, and
  - communicating with the network via the third communication connection and a fourth communication connection between the second bridging-peer system and the network.

11. **(Currently Amended)** The information handling system of claim 10, wherein the method further includes selecting ~~said first information handling bridging-peer~~ system based on a plurality of communication communication-related parameters.

12. **(Currently Amended)** The information handling system of claim 10, wherein one of said plurality of communication communication-related parameters is radio signal quality of ~~said~~ a wireless communication connection.

13. **(Currently Amended)** The information handling system of claim 10, wherein one of said plurality of communication-related parameters is data throughput rate of ~~the~~ a wireless communication connection.

14. **(Cancelled)**

15. **(Currently Amended)** The information handling system of claim 10, wherein said second ~~wireless~~ connection with said network comprises a plurality of individual connections between a ~~second~~ plurality of ~~information handling bridging-peer~~ systems.

16. **(Cancelled)**

17. (Currently Amended) A media storing a set of instructions executable on a information handling system to implement a method, the method comprising:

~~identifying a first plurality of information handling systems that can establish a communication connection with a network;~~

~~selecting a first information handling system from said plurality of information handling systems;~~

~~establishing a first wireless communication connection with said first information handling system;~~

~~communicating with the network via the first information handling system and the first wireless connection~~

identifying one or more bridging-peer systems that can establish a communication connection with the network;

selecting a bridging-peer system from the one or more bridging-peer systems;

wherein the selecting step is performed by giving preference to a wired bridging-peer system, if any;

establishing a first communication connection between the selected bridging-peer system and said information handling system;

communicating with the network via the first communication connection and a second communication connection between the selected bridging-peer system and the network;

wherein if the selected bridging-peer system is to go off line of the first connection, receiving a message from the selected bridging-peer system informing the information handling system that the selected bridging-peer system will go off line;

identifying a second bridging-peer system from said one or more bridging-peer systems, and establishing a third communication connection between the information handling system and said second bridging-peer system, and

communicating with the network via the third communication connection and a fourth communication connection between the second bridging-peer system and the network.

18. **(Currently Amended)** The media of claim 17, wherein the method further comprises monitoring said first ~~wireless~~ communication connection with said ~~first information handling~~ bridging-peer system.

19. **(Currently Amended)** The media of claim 18, wherein said set of instructions is further configured to:

if said first communication connection with said ~~first information handling~~ selected bridging-peer system does not conform to a plurality of communication-related parameters, identifying a ~~second information handling~~ another bridging-peer system from said ~~first plurality of information handling~~ one or more bridging-peer systems;

establishing a second ~~wireless~~ connection between said information handling system and said ~~second information handling~~ another bridging-peer system;

communicating with the network via the first information handling system and the second ~~wireless~~ connection.

20. **(Cancelled)**